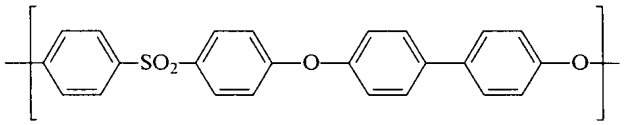
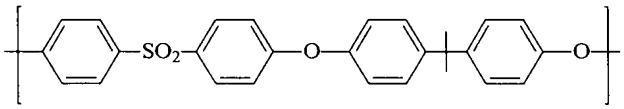
IN THE CLAIMS

Please amend the claims as follows:

1. (Original) An insulated magnet wire comprising a metallic magnet wire and a polymer composition insulation coating, said polymer composition insulation coating comprising a blend of a polyphenylsulfone (PPSF) and a polysulfone (PSF), wherein the PPSF comprises the following structural repeat unit:



and the PSF comprises the following structural repeat unit:



2. (Original) The insulated magnet wire according to claim 1, wherein the insulation coating comprises from about 20 wt. % to about 80 wt. % PPSF and about 20 wt. % to about 80 wt. % PSF based on the total polymer weight.

3. (Original) The insulated magnet wire according to claim 2, wherein the insulation coating comprises greater than 50 wt. % PPSF based on the total polymer weight.

4. (Original) The insulated magnet wire according to claim 1, wherein the insulation coating comprises about 70 wt. % PPSF and about 30 wt. % PSF based on the total polymer weight.

5. (Original) The insulated magnet wire according to claim 1, wherein the insulation coating comprises about 55 wt. % PPSF and about 45 wt. % PSF based on the total polymer weight.

6. (Previously Presented) The insulated magnet wire according to claim 1, wherein the insulation coating further comprises at least one reinforcing filler, fiber, pigment and/or additive.

7. (Currently Amended) The insulated magnet wire according to claim 6, wherein the insulation coating further comprises a ~~the~~ fiber ~~is~~ selected from the group consisting of glass fiber, asbestos, synthetic polymeric fiber, aluminum silicate fiber, wollastonite and rock wool fiber.

8. (Currently Amended) The insulated magnet wire according to claim 6, wherein the insulation coating further comprises a ~~the~~ reinforcing filler ~~is~~ selected from the group consisting of glass, calcium silicate, silica, clays, talc and mica.

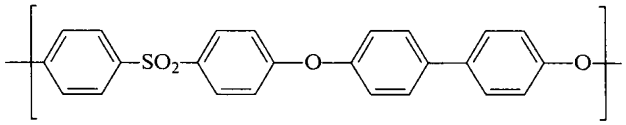
9. (Currently Amended) The insulated magnet wire according to claim 6, wherein the insulation coating further comprises a ~~the~~ pigment ~~is~~ selected from the group consisting of carbon black, titanium dioxide, zinc oxide, iron oxide, cadmium red and iron blue.

10. (Original) The insulated magnet wire according to claim 9, wherein the pigment is titanium dioxide or zinc oxide.

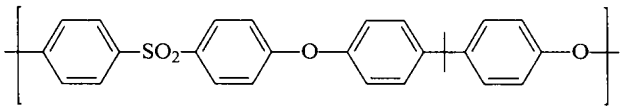
11. (Currently Amended) The insulated magnet wire according to claim 1, wherein the PPSF ~~can be~~ is a copolymer wherein up to less than 50 mole % of the biphenol residue structural units are substituted with one or more aromatic dihydroxy compound residues other than those from biphenol, and wherein the aromatic dihydroxy compound residues other than those from biphenol are selected from the group consisting of 4,4'-isopropylidenediphenol, 4,4'-dihydroxydiphenylether, 4,4'-dihydroxydiphenylsulfone, 4,4'-dihydroxybenzophenone, 1,4-bis(4-hydroxyphenyl) benzene, and hydroquinone.

12. (Currently Amended) The insulated magnet wire according to claim 1, wherein the PSF ~~can be~~ is a copolymer wherein up to less than 50 mole % of the bisphenol A residue structural units are substituted with one or more aromatic dihydroxy compound residues other than those from bisphenol A, and wherein the aromatic dihydroxy compound residues other than those from bisphenol A are selected from the group consisting of 4,4'-dihydroxydiphenylether, 4,4'-dihydroxydiphenylsulfone, 4,4'-dihydroxybenzophenone, 1,4-bis(4-hydroxyphenyl) benzene, 4,4'-dihydroxydiphenyl and hydroquinone.

13. (Previously Presented) A method for providing an insulated magnet wire with a polymer composition insulation coating, said method comprising coating a polymer composition insulation on a bare metallic magnet wire, said polymer composition insulation coating comprising a blend of a polyphenylsulfone (PPSF) and a polysulfone (PSF), wherein the PPSF comprises the following structural repeat unit:



and the PSF comprises the following structural repeat unit:



14. (Original) The method according to claim 13, wherein the insulation coating comprises from about 20 wt. % to about 80 wt. % PPSF and about 20 wt. % to about 80 wt. % PSF based on the total polymer weight.

15. (Original) The method according to claim 14, wherein the insulation coating comprises greater than 50 wt. % PPSF based on the total polymer weight.

16. (Original) The method according to claim 13, wherein the insulation coating comprises about 70 wt. % PPSF and about 30 wt. % PSF based on the total polymer weight.

17. (Original) The method according to claim 13, wherein the insulation coating comprises about 55 wt. % PPSF and about 45 wt. % PSF based on the total polymer weight.

18. (Currently Amended) The method according to claim 13, wherein the coating ~~step~~ is accomplished by a technique selected from the group consisting of melt extruding, solvent coating, powder coating and film wrapping.

19. (Currently Amended) The method according to claim 18, wherein the ~~coating~~ ~~step~~ technique is melt extruding.

20. (Currently Amended) The method according to claim 19 ~~13~~, wherein the metallic magnet wire is preheated prior to extruding the insulation coating on the metallic magnet wire.

21. (Currently Amended) The method according to claim 19 ~~13~~, wherein the insulation coating is melt filtered prior to being extruded on the metallic magnet wire.

22. (Currently Amended) The method according to claim 19 ~~13~~, wherein said melt extruding step is free of solvent.

23. (Previously Presented) The method according to claim 13, further comprising an optional baking step to cure said coating.

24. (Original) The method according to claim 23, further comprising cooling the cured coating on said metallic magnet wire.

25. (Currently Amended) The method according to claim 13, wherein the PPSF is ~~can be~~ a copolymer wherein up to less than 50 mole % of the biphenol residue structural units are substituted with one or more aromatic dihydroxy compound residues other than those from biphenol, and wherein the aromatic dihydroxy compound residues other than those from biphenol are selected from the group consisting of 4,4'-isopropylidenediphenol, 4,4'-dihydroxydiphenylether, 4,4'-dihydroxydiphenylsulfone, 4,4'-dihydroxybenzophenone, 1,4-bis(4-hydroxyphenyl) benzene, and hydroquinone.

26. (Currently Amended) The method according to claim 13, wherein the PSF is ~~can be~~ a copolymer wherein up to less than 50 mole % of the bisphenol A residue structural units are substituted with one or more aromatic dihydroxy compound residues other than those from bisphenol A, and wherein the aromatic dihydroxy compound residues other than those

from bisphenol A are selected from the group consisting of 4,4'-dihydroxydiphenylether, 4,4'-dihydroxydiphenylsulfone, 4,4'-dihydroxybenzophenone, 1,4-bis(4-hydroxyphenyl) benzene, 4,4'-dihydroxydiphenyl and hydroquinone.

27. (Previously Presented) A high temperature electrical insulation system comprising said insulated magnet wire according to claim 1.

28. (Previously Presented) The high temperature electrical insulation system according to claim 27, wherein the high temperature electrical insulation system is selected from the group consisting of voltage transformers, motors, generators, alternators, solenoids, and relays.

29. (Previously Presented) A high temperature electrical insulation system comprising an insulated magnet wire obtained by the process according to claim 13.

30. (Cancelled)

31. (Previously Presented) The high temperature electrical insulation system according to claim 27, wherein the metallic magnet wire is in contact with an insulating fluid selected from the group consisting of a mineral oil, a silicone oil, a vegetable oil, a synthetic oil, and mixtures thereof.

32. (Previously Presented) An electrical device comprising said insulated magnet wire according to claim 1.

33. (Previously Presented) The electrical device according to claim 32, wherein said electrical device is selected from the group consisting of voltage transformers, motors, generators, alternators, solenoids, and relays.

34. (Previously Presented) The high temperature electrical insulation system according to claim 29, wherein the high temperature electrical insulation system is selected from the group consisting of voltage transformers, motors, generators, alternators, solenoids, and relays.

35. (Previously Presented) The high temperature electrical insulation system according to claim 29, wherein the metallic magnet wire is in contact with an insulating fluid selected from the group consisting of a mineral oil, a silicone oil, a vegetable oil, a synthetic oil, and mixtures thereof.